

HOLE PUNCH

Abstract

A hole punch has a length in a first direction, a plurality of punch blocks each having a sinusoidal first guide surface, a slider movable along a frame in the first direction, and a roller connected to the slider at a position to engage the first guide surface of each punch block. Each punch block is fixed in the frame in the first direction and is moveable in the frame in a second direction perpendicular to the first direction. Each punch block also includes at least a punch head facing the second direction, and a retracting mechanism for urging the punch block in opposite the second direction to an initial position. When the slider moves in the first direction along the frame, the roller pushes the first guide surface near the middle of the punch block moving the punch block in the second direction to punch holes.